First, mark the triangle’s sides and angles (with tick marks) according to the information in the “Given” section. Then, decide whether SSS, SAS, ASA, AAS, or HL can be used to show that the triangles are congruent.  If there is not enough information to prove the triangles congruent, choose "Not Possible" (NP). Then, complete the proof.

***(NP ==>  Not Possible to prove congruent triangles with the information given.)***

**Mark Up Those Triangles! Are They Congruent?** Name:

Rodriguez/Geometry

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | ***1.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri1.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon11M.gif | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | | |

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| |  |  |  | | --- | --- | --- | | ***2.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri2.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon3.gif | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | | |

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| ***3.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri3.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon9.gif |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | |

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| ***4.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practria4.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon4.gif |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | |

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| ***5.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri5.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon13M.gif |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | |

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| ***6.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri6.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon7.gif |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | |

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| ***7.*** | http://www.regentsprep.org/Regents/math/geometry/GP4/Practri7.gif | http://www.regentsprep.org/Regents/math/geometry/GP4/Reccon14M.gif |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SAS | ASA | SSS | AAS | HL | **NP** | | Top of Form  Bottom of Form | | | | | | | | |